BASE Buildings Test Space HVAC Characteristics: Test Space Air Handling Unit (AHU) General Specifications, Return Air Systems

	AHU Return Airflow Capacity (m^3/min) [1]	Floor Area Served By AHU Return Airflow System (m^2) [2]
Number of Test Space Air Handlers	41	136
Mean (Arithmetic)	1,322	3,085
Standard Deviation	1,443	4,267
Minimum	72	0
10th Percentile	220	503
25th Percentile	418	995
50th Percentile	765	1,602
75th Percentile	1,827	3,412
90th Percentile	2,832	7,798
Maximum	6,683	33,783

Notes:

[1]Data represent statistics for 41 study space air handling units equipped with a return air fan. Ninety-six of the air handling units were not equipped with a return air fan, while return fan capacity information were not reported for four air handling units.

Conversion: 1 m^3 equals 35.311 ft^3.

[2]Data represent statistics for 136 study space air handling units. Return airflow area was not reported for 5 air handling units.

Conversion: 1 m^2 equals 10.764 ft^2.

Variable Descriptions:

AHU Return Airflow Capacity describes the design return airflow delivery rate for each BASE test space air handling unit equipped with a return air fan. Statistics are reported in m^3/min. Note that all return airflow was not from the test space when an air handling unit also served other areas outside the test space.

Floor Area Served By AHU Return Airflow System describes the floor area served by each BASE test space air handling unit's return airflow system. Statistics are reported in m^2. This includes floor area outside the test space when an air handling unit also served other areas.